

Datasheet

Suction cup OF70x175P Polyurethane 60, 3/8" NPSF female

Item number: OF70X175P.5E.N40W



- Suitable for flat and rough surfaces.
- Fair stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and give extra friction when the lifting force is parallel to the surface of the object.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat
Application	-	Mark Free
Suction cup design	-	Oval
Characteristics	-	Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	6.81
Suction cup model	-	OF
Volume	in ³	4.88
Height	in	1.50
Length	in	7.087
Outer diameter, min.	in	7.087
Fitting size	-	3/8"
Fitting option	-	None
Fitting style	-	Female
Fitting type	-	NPSF-thread
Width	in	2.95
Suction cup model	-	OF70x175P PU60
Movement, vertical max.	in	0.22
Curve radius, min.	in	5.12

Performance - Lifting forces

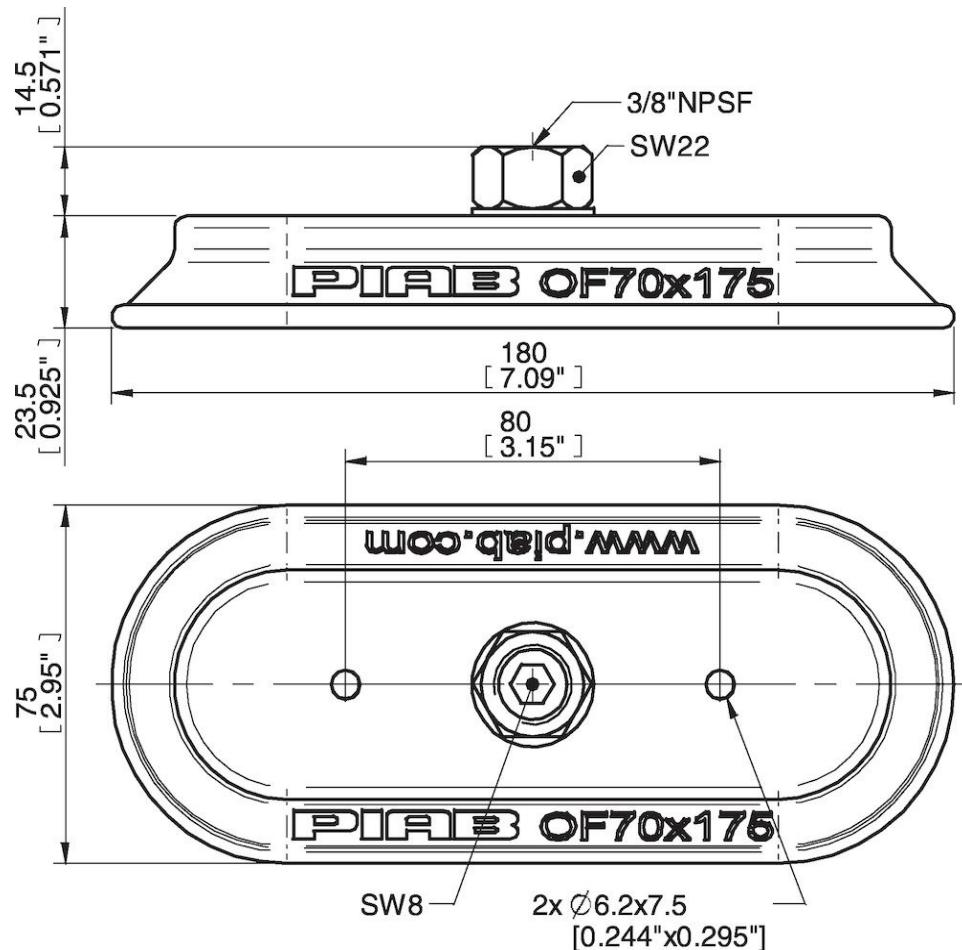
OF70x175P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	40.47	44.96
17.72 -inHg	128.14	124.77
26.58 -inHg	193.34	168.61

Material	
Name	Polyurethane (PU60)
Color	Green transparent
Temperature, min. °F	50.0
Temperature max. °F	122.0
Hardness °Shore A	60

Material resistance

Alcohol	n/a
Concentrated acids	Fair
Ethanol	Fair
Hydrolysis	Fair
Methanol	Poor
Oil	Excellent
Oxidation	Poor
Gasoline	Fair
Wear resistance	Excellent
Weather and ozone	Excellent

Dimensional drawings



Values specified in this data sheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

Accessories

OF70X175P.5C | Suction cup OF70x175P Polyurethane 40 with collar for Vacuum Gripper System (VGS)

Spare parts

OF70X175P.5E | Suction cup OF70x175P Polyurethane 60 with collar for Vacuum Gripper System (VGS)